

Cyrel Digang

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EDUCATION

Polytechnic University of the Philippines
Bachelor of Science in Computer Science

Manila, Philippines
4th Year

THESIS

Smishing Detection System for Code-mixed Messages Using Transfer Learning of XLM-RoBERTa
Role: Writer and Tool Developer

Achievement: Finalist in the 4th PUP Research Pitching Competition

A smishing detection system tailored to Taglish, leveraging XLM-RoBERTa, a multilingual language model known for its ability to analyze message content. By incorporating both text analysis of the fine-tuned XLM-RoBERTa and URL verification through the VirusTotal API, the system aims to detect smishing messages, or "ham" (non-smishing) messages, with high accuracy.

EXPERIENCE

QX Information Technology Corp.
Position: Intern

August – September, 2024

I test, review, and identify bugs in the company's software product. I also attend client meetings and create reports based on those discussions. Additionally, I handle front-end programming tasks for the company's product website.

PROJECTS

FILTERIO: Photo Filtering
Role: System Analyst and Technical Writer

FILTER.IO is a graphical user interface image processing software that focus on processing an image input through a user-provided path using various filters but only limited to: Blur, Grayscale, Reflect, Contour, Emboss, Sharpen, Smooth, Sepia, and Blue Filters using the Python Imaging Library (PIL).

SmartStore
Role: Programmer/Developer

SmartStore is an innovative inventory management system tailored for gadget store owners. With its comprehensive functionality, SmartStore facilitates the essential CRUD (Create, Read, Update, Delete) operations seamlessly. Owners can effortlessly add, modify, and locate information while effectively monitoring stock levels. Developed using Java programming language and powered by MariaDB.

LibIO
Role: Programmer/Developer

LibIO: A library management system empowering users to effortlessly search and access the library's collection. Administrators can seamlessly add books and manage borrowing transactions, with detailed records of borrowing and due dates. Developed in Java and powered by MariaDB.

PitchApp.fy
Role: Programmer/Developer

PitchApp.fy simplifies resume building with its user-friendly platform. Users input their details or answer questions, and the software generates a polished resume in the Harvard template style. Developed in Java and powered by MariaDB.

ORGANIZATIONS

Google Developer Student Club - PUP
Software Development Team

Member
2023-2024

Google Developer Student Clubs are university-based community groups for students interested in Google developer technologies.

SKILLS & INTERESTS

Technical: Programming in C, Java and Python, Web development, MySQL and MariaDB

Language: Proficient in Filipino and English

Interests: Software Development, Database Management, Data Science, AI, NLP and Machine Learning